C-MUSIC™

DIRCM System for Large Jet Aircraft Protection from MANPADS

The Threat – MANPADS

Heat seeking, anti-aircraft missiles (MANPADS) pose a serious threat to commercial aviation and VIP aircraft. The global proliferation and availability of these highly transportable and extremely lethal missiles has increased significantly in recent years, finding their way into the hands of terrorists and hostile non-state organizations. A missile attack against a commercial or VIP aircraft will, in most cases, result in loss of the aircraft and of passengers aboard.

The Solution – C-MUSIC

C-MUSIC provides powerful Directed Infra-Red Counter Measure (DIRCM) protection against MANPADS for large jet aircraft, built on years of proven experience in the military environment. The system has been installed on a wide variety of commercial aircraft, as well as aircraft transporting heads of state and VIPs.

C-MUSIC is a Civil Aviation Authority certified, laser-based, fully automatic and autonomous system that provides large jet aircraft with comprehensive protection against advanced heat-seeking ground-to-air missiles.

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C-MUSIC™

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The C-MUSIC System

C-MUSIC is contained in a single, fuselage-mounted pod and employs advanced missile detection and jamming techniques to deliver superior aircraft protection. C-MUSIC has successfully completed extensive operational testing under the supervision of the Israeli Ministry of Defense. The system is fully operational with all Israeli commercial carriers, as well as a wide variety of aircraft around the world, including many transporting heads of state and VIPs. The low-profile pod can be rapidly dismounted from one aircraft and remounted on another aircraft, enabling a number of pods to serve an entire fleet.

Fully Operational and Proven

C-MUSIC has been selected by the Government of Israel to protect all Israeli commercial airliners. It is certified and installed on Boeing B777, B747, B737, B757 and B767 and on Airbus A330 and A320 aircraft – all with negligible impact on the platform's performance. Fully proven through a wide set of flight tests and live fire tests, C-MUSIC has accumulated more than 35,000 operational hours on multiple aircraft platforms. The system has been proven effective in the full range of operational conditions, providing the global aviation industry with top-tier protection against MANPADs attacks.

Features

- Operationally proven in real-life missile fire scenarios
- Fully automatic and autonomous - no crew involvement needed during engagement
- Cockpit control unit for simple operation
- Contained in a single low-drag pod
- Simple and rapid mounting and dismounting from the aircraft
- High reliability leading to low maintenance costs
- Operational on all Israeli commercial carriers
- Civil Aviation Authority certified for numerous types of platforms

Benefits

- Fast, accurate threat detection and jamming
- Handles multiple threat scenarios
- High performance and comprehensive protection
- Effective under operational conditions
- Low life cycle costs

Elbit Systems™ ISTAR & EW

Elbit Systems Ltd.
Advanced Technology Center, P.O.B 539, Haifa 3100401, Israel
E-mail: istar@elbitsystems.com www.elbitsystems.com

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